Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05								
First and Part Bill								
Premeasurment Recorded on	21/2/2018,22/2/2018,23/2/2018,24/2/2018							
Detailed Measurements								
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto							
	RO Plant Building							
	Vinayakanagar							
			2	3.05	1.00	1.00	6.10	
			2	4.90	1.00	1.00	9.80	
	Palanahalli							
			2	3.60	1.00	1.00	7.20	
			2	5.40	1.00	1.00	10.80	
	Dwarakanagar							
			2	3.20	1.00	1.00	6.40	
			2	5.10	1.00	1.00	10.20	
	Shivapura							
			2	3.60	1.00	1.00	7.20	
			2	4.90	1.00	1.00	9.80	
	Bellahalli							
			2	3.60	1.00	1.00	7.20	
			2	4.90	1.00	1.00	9.80	
	Agrahara layout							
			2	3.45	1.00	1.00	6.90	
			2	6.00	1.00	1.00	12.00	
	Thirumenahalli							
			2	3.20	1.00	1.00	6.40	
			2	4.95	1.00	1.00	9.90	
	Jaigopalgowda, Thanisandra							
			2	3.15	1.00	1.00	6.30	
			2	4.95	1.00	1.00	9.90	
	RO Plant Surround							
	Vinayakanagara							
			1	4.90	1.60	0.25	1.96	
	Palanahalli							
			1	0.75	0.15	0.25	0.03	
			1	6.25	0.35	0.25	0.55	
	Shivapura							
			1	5.00	1.70	0.25	2.13	

	Bellahalli							
			1	4.90	1.65	0.25	2.02	
	Agrahara layout							
			1	5.70	1.85	0.25	2.64	
	Thirumenahalli							
			1	4.20	3.30	0.25	3.47	
	Jaigopalgowda, Thanisandra							
			1	4.50	1.50	0.25	1.69	
						Present Qty	**150.37**	**Cum**
						Upto 125%	**74.81**	**Cum**
						Above 125%	**75.56**	**Cum**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05

Detailed Measurements

First and Part Bill

Premeasurment Recorded on: 26/2/2018,27/2/2018,28/2/2018

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.NO.12.I.NO.4.3							
	RO Plant Building							
	Vinayakanagar							
			2	3.05	1.00	0.15	0.92	
			2	4.90	1.00	0.15	1.47	
	Palanahalli							
			2	3.60	1.00	0.15	1.08	
			2	5.40	1.00	0.15	1.62	
	Dwarakanagar							
			2	3.20	1.00	0.15	0.96	
			2	5.10	1.00	0.15	1.53	
	Shivapura							
			2	3.60	1.00	0.15	1.08	
			2	4.90	1.00	0.15	1.47	
	Bellahalli							
			2	3.60	1.00	0.15	1.08	
			2	4.90	1.00	0.15	1.47	
	Agrahara layout							
			2	3.45	1.00	0.15	1.04	
			2	6.00	1.00	0.15	1.80	
	Thirumenahalli							
			2	3.20	1.00	0.15	0.96	
			2	4.95	1.00	0.15	1.49	
	Jaigopalgowda, Thanisandra							
			2	3.15	1.00	0.15	0.95	
			2	4.95	1.00	0.15	1.49	
	RO Plant Surround							
	Vinayakanagara							
			1	4.90	1.60	0.15	1.18	
	Palanahalli							
			1	0.75	0.15	0.15	0.02	
			1	6.25	0.35	0.15	0.33	

	Shivapura							
			1	5.00	1.70	0.15	1.28	
	Bellahalli							
			1	4.90	1.65	0.15	1.21	
	Agrahara layout							
			1	5.70	1.85	0.15	1.58	
	Thirumenahalli							
			1	4.20	3.30	0.15	2.08	
	Jaigopalgowda, Thanisandra							
			1	4.50	1.50	0.15	1.01	
						Present Qty	**29.07**	**Cum**
						Upto 125%	**18.56**	**Cum**
						Above 125%	**10.50**	**Cum**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05

Detailed Measurements

First and Part Bill

Premeasurment Recorded on: 7/3/2018,8/3/2018,9/3/2018

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.NO.23.I.NO.5.6							
	RO Plant Building							
	Vinayakanagar							
			2	3.05	0.60	0.80	2.93	
			2	4.90	0.60	0.80	4.70	
	Palanahalli							
			2	3.60	0.60	0.80	3.46	
			2	5.40	0.60	0.80	5.18	
	Dwarakanagar							
			2	3.20	0.60	0.80	3.07	
			2	5.10	0.60	0.80	4.90	
	Shivapura							
			2	3.60	0.60	0.80	3.46	
			2	4.90	0.60	0.80	4.70	
	Bellahalli							
			2	3.60	0.60	0.80	3.46	
			2	4.90	0.60	0.80	4.70	
	Agrahara layout							
			2	3.45	0.60	0.80	3.31	
			2	6.00	0.60	0.80	5.76	
	Thirumenahalli							
			2	3.20	0.60	0.80	3.07	
			2	4.95	0.60	0.80	4.75	
	Jaigopalgowda, Thanisandra							
			2	3.15	0.60	0.80	3.02	
			2	4.95	0.60	0.80	4.75	
						Present Qty	**65.23**	**Cum**
						Upto 125%	**38.48**	**Cum**
						Above 125%	**26.76**	**Cum**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05

Detailed Measurements

First and Part Bill

Premeasurment Recorded on: 10/3/2018,12/3/2018,13/3/2018

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13							
	RO Plant Building							
	Vinayakanagar							
			2	3.05	0.45	0.40	1.10	
			2	4.90	0.45	0.40	1.76	
	Palanahalli							
			2	3.60	0.45	0.40	1.30	
			2	5.40	0.45	0.40	1.94	
	Dwarakanagar							
			2	3.20	0.45	0.40	1.15	
			2	5.10	0.45	0.40	1.84	
	Shivapura							
			2	3.60	0.45	0.40	1.30	
			2	4.90	0.45	0.40	1.76	
	Bellahalli							
			2	3.60	0.45	0.40	1.30	
			2	4.90	0.45	0.40	1.76	
	Agrahara layout							
			2	3.45	0.45	0.40	1.24	
			2	6.00	0.45	0.40	2.16	
	Thirumenahalli							
			2	3.20	0.45	0.40	1.15	
			2	4.95	0.45	0.40	1.78	
	Jaigopalgowda, Thanisandra							
			2	3.15	0.45	0.40	1.13	
			2	4.95	0.45	0.40	1.78	
	Flagging coarse							
	Palanahalli		2	6.25	0.40	0.40	2.00	
						Present Qty	**26.46**	**Cum**
						Upto 125%	**14.29**	**Cum**
						Above 125%	**12.17**	**Cum**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer 10/3

Project Division
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05								
Detailed Measurements								
First and Part Bill								
Premeasurment Recorded on		15/3/2018,16/3/2018						
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates :@0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.NO.12.I.NO.4.6							
	RO Plant Building							
	Vinayakanagar							
			2	3.05	0.45	0.10	0.27	
			2	4.90	0.45	0.10	0.44	
	Palanahalli							
			2	3.60	0.45	0.10	0.32	
			2	5.40	0.45	0.10	0.49	
	Dwarakanagar							
			2	3.20	0.45	0.10	0.29	
			2	5.10	0.45	0.10	0.46	
	Shivapura							
			2	3.60	0.45	0.10	0.32	
			2	4.90	0.45	0.10	0.44	
	Bellahalli							
			2	3.60	0.45	0.10	0.32	
			2	4.90	0.45	0.10	0.44	
	Agrahara layout							
			2	3.45	0.45	0.10	0.31	
			2	6.00	0.45	0.10	0.54	
	Thirumenahalli							
			2	3.20	0.45	0.10	0.29	
			2	4.95	0.45	0.10	0.45	
	Jaigopalgowda, Thanisandra							
			2	3.15	0.45	0.10	0.28	
			2	4.95	0.45	0.10	0.45	
	RO Plant Surround							
	Vinayakanagara							
			1	4.90	1.60	0.10	0.78	
	Palanahalli							
			1	0.75	0.15	0.10	0.01	
			0.5	6.25	0.35	0.10	0.11	
	Dwarakanagar							
			1	2.90	3.20	0.10	0.93	
	Shivapura							
			1	5.00	1.70	0.10	0.85	
	Bellahalli							
			1	4.90	1.65	0.10	0.81	

	Agrahara layout							
			1	5.70	1.85	0.10	1.05	
	Thirumenahalli							
			1	4.20	3.30	0.10	1.39	
	Jaigopalgowda, Thanisandra							
			1	4.50	1.50	0.10	0.68	
	Flagging coarse							
	Palanahalli		2	6.25	0.40	0.10	0.50	
						Present Qty	**13.22**	**Cum**
						Upto 125%	**4.73**	**Cum**
						Above 125%	**8.50**	**Cum**

Contractor

Assistant Engineer

Consultant

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05								
Detailed Measurements								
First and Part Bill								
Premeasurment Recorded on		24/3/2018,26/3/2018,27/3/2018						
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundationfor footing ,pedestals ,retaining walls ,retern walls , walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, bed blocks, anchor blocks, and plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 P.NO.,13.I.NO.4.11							
	RO Plant Building							
	Plinth							
	Vinayakanagar							
			2	3.10	0.45	0.15	0.42	
			2	4.90	0.45	0.15	0.66	
	Palanahalli							
			2	3.20	0.45	0.15	0.43	
			2	5.40	0.45	0.15	0.73	
	Dwarakanagar							
			2	2.80	0.45	0.15	0.38	
			2	5.10	0.45	0.15	0.69	
	Shivapura							
			2	3.20	0.45	0.15	0.43	
			2	4.90	0.45	0.15	0.66	
	Bellahalli							
			2	3.00	0.45	0.15	0.41	
			2	4.90	0.45	0.15	0.66	
	Agrahara layout							
			2	3.10	0.45	0.15	0.42	
			2	6.00	0.45	0.15	0.81	
	Thirumenahalli							
			2	2.80	0.45	0.15	0.38	
			2	4.95	0.45	0.15	0.67	

	Jaigopalgowda, Thanisandra							
			2	2.70	0.45	0.15	0.36	
			2	4.95	0.45	0.15	0.67	
						Present Qty	8.78	Cum
						Upto 125%	5.51	Cum
						Above 125%	3.26	Cum

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

24/3/18

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05								
Detailed Measurements								
First and Part Bill								
Premeasurment Recorded on		21/3/2018,22/3/2018,23/3/2018						
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per							
	Total Plinth length = 122.00m Derived from item No-6							
	Main bar 12mm dia bar @ 4 nos per plinth							
	12mm bar unit weight = 0.89kg/mtr							
	130/4=520Nos		4	122.00		0.61	297.68	
	Stirrups bar 8mm dia 150mm C/c							
	8mm bar unit weight = 0.39kg/mtr		650	1.10		0.39	278.85	
							576.53	
						Present Qty	**0.58**	**Mt**
						Upto 125%	**0.34**	**Mt**
						Above 125%	**0.24**	**Mt**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05								
Detailed Measurements								
First and Part Bill								
Premeasurment Recorded on		3/4/2018,4/4/2018,5/4/2018,6/4/2018,7/4/2018						
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
8	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4.P.NO.25.I.NO.5.27.2							
	RO Plant Building							
	Vinayakanagar							
			2	3.05		3.55	21.66	
			2	4.90		3.55	34.79	
	Palanahalli							
			2	3.10		3.55	22.01	
			2	5.40		3.55	38.34	
	Dwarakanagar							
			2	2.70		3.55	19.17	
			2	5.10		3.55	36.21	
	Shivapura							
			2	3.10		3.55	22.01	
			2	4.90		3.55	34.79	
	Bellahalli							
			2	2.90		3.55	20.59	
			2	4.90		3.55	34.79	
	Agrahara layout							
			2	3.00		3.55	21.30	
			2	6.00		3.55	42.60	
	Thirumenahalli							
			2	2.70		3.55	19.17	
			2	4.95		3.55	35.15	
	Jaigopalgowda, Thanisandra							
			2	2.60		3.55	18.46	
			2	4.95		3.55	35.15	
	Deduct for Shutters		-8	2.40		2.10	-40.32	
	Deduct for Windows		-8	1.00		1.40	-11.20	
	Steps							
	Vinayakanagar							
			2	2.50		0.40	2.00	
	Palanahalli							
			1	2.50		0.40	1.00	
	Dwarakanagar							
			1	2.50		0.40	1.00	

	Shivapura		1	2.50		0.40	1.00	
	Bellahalli		2	2.50		0.40	2.00	
	Agrahara layout		1	2.50		0.40	1.00	
	Thirumenahalli		1	2.50		0.40	1.00	
	Jaigopalgowda, Thanisandra		1	2.50		0.40	1.00	
						Present Qty	**414.66**	**Sqm**
						Upto 125%	**327.60**	**Sqm**
						Above 125%	**87.06**	**Sqm**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

3/4/18

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of work: Drilling of Borewells and Providing RO Plants at Dwarakanagara, Palanahalli, Thirumenahalli and Srirampura in Ward No:05								
Detailed Measurements								
First and Part Bill								
Premeasurment Recorded on		11/4/2018,12/4/2018,13/4/2018,16/4/2018						
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.cement mortor 1:6, P.NO.113.I.NO.15.20							
	RO Plant Building							
	Internal plastering							
	Vinayakanagar							
			2	3.10		3.55	22.01	
			2	4.50		3.55	31.95	
	Palanahalli							
			2	3.20		3.55	22.72	
			2	5.00		3.55	35.50	
	Dwarakanagar							
			2	2.80		3.55	19.88	
			2	4.70		3.55	33.37	
	Shivapura							
			2	3.20		3.55	22.72	
			2	4.50		3.55	31.95	
	Bellahalli							
			2	3.00		3.55	21.30	
			2	4.50		3.55	31.95	
	Agrahara layout							
			2	3.10		3.55	22.01	
			2	5.60		3.55	39.76	
	Thirumenahalli							
			2	2.80		3.55	19.88	
			2	4.55		3.55	32.31	
	Jaigopalgowda, Thanisandra							
			2	2.70		3.55	19.17	
			2	4.55		3.55	32.31	
	Deduct for Shutters		-8	2.40		2.10	-40.32	
	Deduct for Windows		-8	1.00		1.40	-11.20	
	External plastering							
	Vinayakanagar							
			2	3.05		3.55	21.66	
			2	4.90		3.55	34.79	
	Palanahalli							
			2	3.60		3.55	25.56	
			2	5.40		3.55	38.34	

	Dwarakanagar							
			2	3.20		3.55	22.72	
			2	5.10		3.55	36.21	
	Shivapura							
			2	3.60		3.55	25.56	
			2	4.90		3.55	34.79	
	Bellahalli							
			2	3.60		3.55	25.56	
			2	4.90		3.55	34.79	
	Agrahara layout							
			2	3.45		3.55	24.50	
			2	6.00		3.55	42.60	
	Thirumenahalli							
			2	3.20		3.55	22.72	
			2	4.95		3.55	35.15	
	Jaigopalgowda, Thanisandra							
			2	3.15		3.55	22.37	
			2	4.95		3.55	35.15	
	Deduct for Shutters		-8	2.40		2.10	-40.32	
	Deduct for Windows		-8	1.00		1.40	-11.20	
						Present Qty	**818.19**	**Sqm**
						Upto 125%	**694.01**	**Sqm**
						Above 125%	**124.17**	**Sqm**

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer

11/4/18

Project Division
Yelahanka Zone
Bangalore